

SERVICE MANUAL

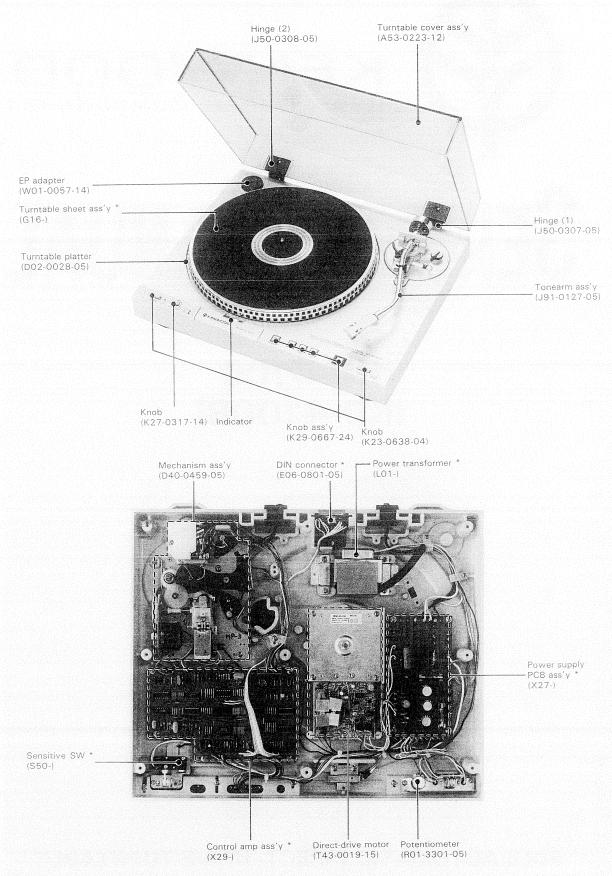
KD-4100 (KD-4100R)



FULL AUTOMATIC DIRECT- DRIVE TURNTABLE

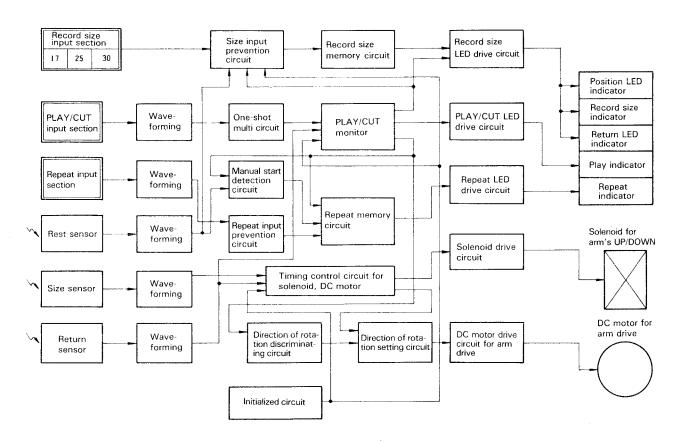


EXTERNAL AND INTERNAL VIEW





BLOCK DIAGRAM / DISASSEMBLY FOR REPAIR



DISASSEMBLY FOR REPAIR

Disassembling auto mechanism and tonearm-related parts

- 1. Remove the shield plate retaining screw.
- 2. Remove the repeater PCB retaining screw.
- 3. Remove the mounting hardware.
- 4. Remove the search arm retaining screws.
- 5. Remove the auto mechanism retaining ass'y retaining screws.

Caution: The lead wire from the tonearm is soldered to the intermediate plate.

Shield plate

Intermediate plate (Note)

Mounting hardware

3 Loosen

Search arm

Auto mechanism ass'y

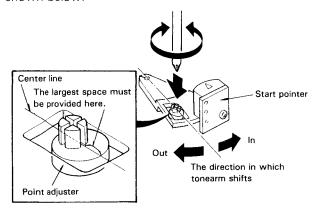
< Disassembling the auto mechanism >



ADJUSTMENT

1. Installing the start pointer and return holder

Install the start pointer and return holder so that the cross cut-off of the point adjuster is aligned with the center line passing through the rotational center as shown below.

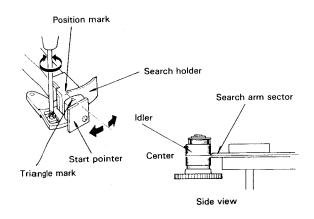


NOTE: Position the start pointer and return holder correctly, as the position of these parts are essential to determine the start and return positions.

2. Installing the search arm

- 1. Return the tonearm to the arm rest.
- 2. Center the start pointer (refer to the "Installing the start pointer and return holder").
- 3. Install the search arm so that the position mark of the search arm is aligned with the triangle mark of the start pointer.

NOTE: Install the search arm so that the end of the search arm sector contacts the idler center.

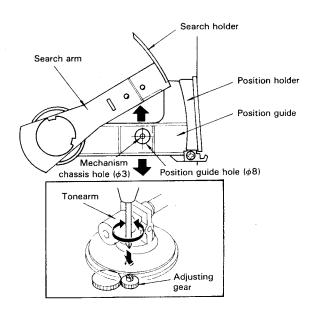


3. Position holder and guide

Before adjusting the position holder, align the position guide hole with the mechanism chassis hole.

Pass the +screwdriver through the tonearm base access hole and adjust the position holder. Turning the screwdriver clockwise shifts the tonearm inwards and turning the screwdriver counterclockwise shifts the tonearm outwards. Turning the screwdriver 60° will

shift the stylus tip by 0.85 mm. The position holder can be turned by 3.2 turns.

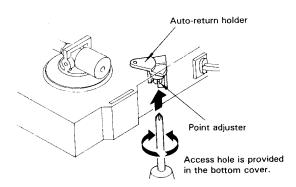


4. Adjusting the auto-in position

Adjust the auto-in in the 30 cm record auto-in mode. Put the turntable in the 30 cm record auto-in mode. Play back the test record. Adjust the auto-in adjusting gear through the tonearm base access hole so that the auto-in action starts at 26 ± 3 counts of the test record (refer to the ''Position holder and guide'').

5. Adjusting the auto-return position

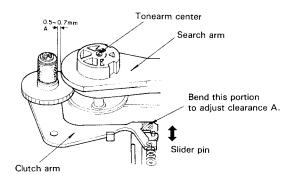
Use the test record to adjust the auto-return position as well as for auto-in adjustment. Adjust the point adjuster so that the auto-return action starts at the 17 count of the test record (through the access hole on the bottom cover).



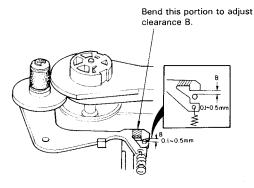
< Auto-return position adjustment >



6. Adjusting the clearance between the idler and clutch arm.



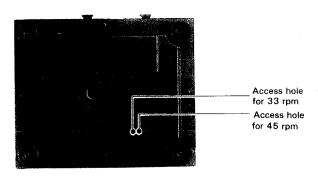
< Solenoid: OFF>



< Solenoid: ON>

7. Adjusting the motor speed

If the correct speed is not obtained by turning the fine speed adjustment knob, turn the PC trimming pots of the motor PCB. Always center the fine-speed adjustment knob before adjusting the PC trimming pots. When adjusting the PC trimming pots, make sure the turntable is level. **Access holes are provided in the bottom cover.**



< Positions of the speed adjustment access holes >

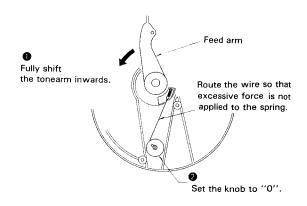
KENWOOD test record 3 (P-3027) (Part No.: T99-0204-05)

This test record is for auto lead-in and auto lead-out position adjustment and S/N measurement. In the KD-4100 (R), use the A side to adjust the auto-in and auto-out positions. The contents of this record are as shown below.

Band	Conter	nts	Remarks
	30 cm lead-i	n groove	
1	L-ch: Announcement (1 ~ 65)	R-ch: 1 kHz	Lead-in position adjustment
	25 cm lead-i	n groove	
2	L-ch: Announcement (1~65)	R-ch: 1 kHz	
	17 cm lead-i	n groove	
3	L-ch: Announcement (1 ~ 65)	R-ch: 1 kHz	
	30/17 cm lead-	out groove	
4	L-ch: Announcement (1 ~ 59)	R-ch: 315 Hz	Lead-out position adjustment

7. Adjusting the inside force canceller

- 1. Fully shift the tonearm inwards.
- 2. Route the inside force canceller wire so that excessive force is not applied to the canceller cam ass'y spring.
- 3. Set the canceller knob to "0". At this time, the condition indicated in item 2 must be maintained.

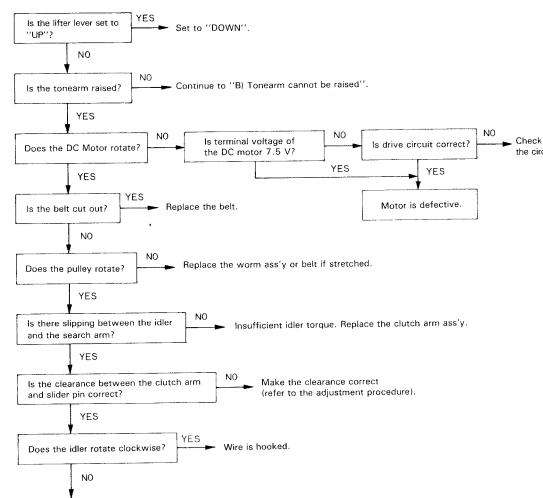




KD-410

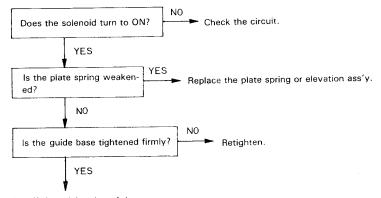
TROUBLESHOOTING

A) Auto start does not operate.



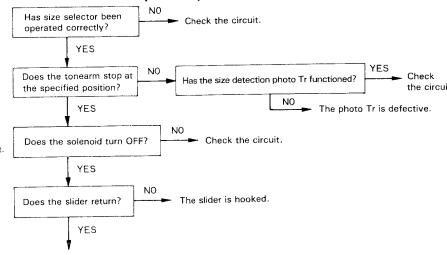
The start pointer is incorrectly adjusted.

B) Tonearm cannot be raised.



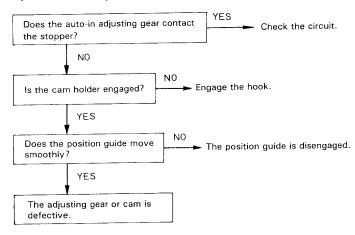
Insufficient tightening of the arm support screw.

C) Auto lead-in cannot be started (the tonearm does not lower at the specified position.)

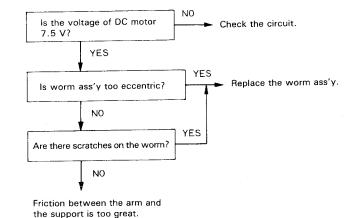


Tonearm ass'y is defective.

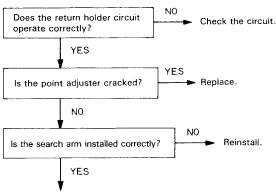
B) The auto-in position cannot be adjusted.



E) The tonearm is knocking.

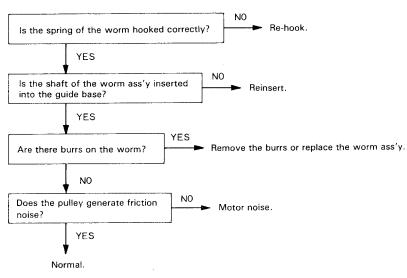


F) Auto-return position cannot be adjusted.

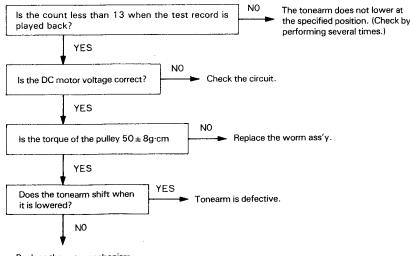


The tonearm ass'y is out of position. (Move the search arm in the same direction in which the tonearm is moved.)

G) The DC motor generates abnormal noise.



H) There is too much difference between the auto-in and repeat-in.



Replace the auto mechanism.

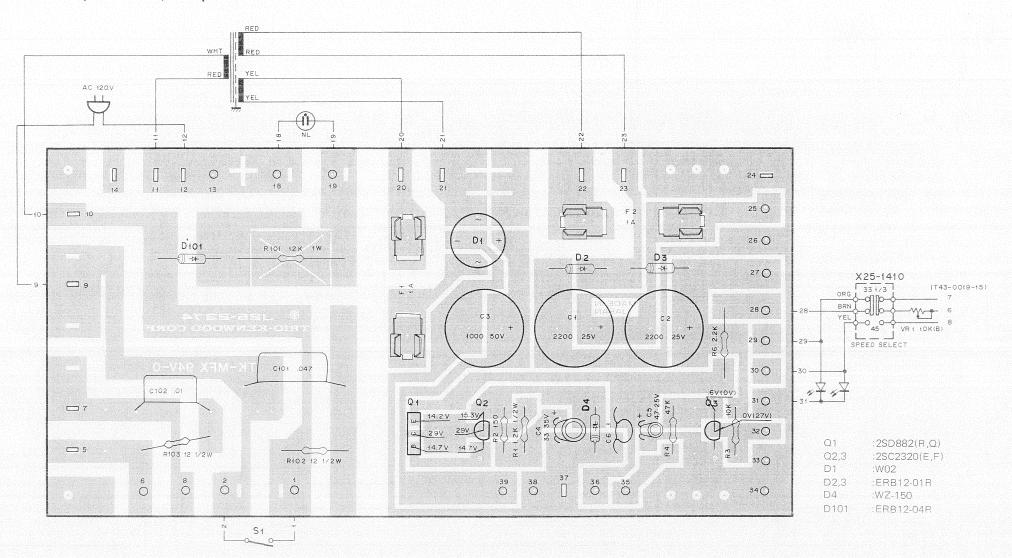


LOGIC DIAGRAM PHA-2 O ---- 14V REGULATED 30 30 25 SIZE BOSITION ----20V NON-REGULATED 25 PLUNGER 17 SEARCH MOTOR REPEAT 12) 9)x 9 10 10 9 2 3 2 4 SIZE T MOTOR DRIVER RETURN -**⊚**TO RC-500

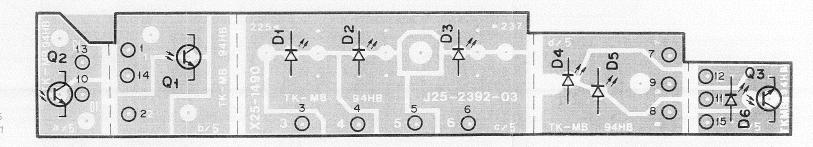
KD-410

PC BOARD

POWER SUPPLY (X27-1370) Component side



SENSOR (X25-1490-00) Foil side



Q1~3 :TPS605 D1~6 :TLR121

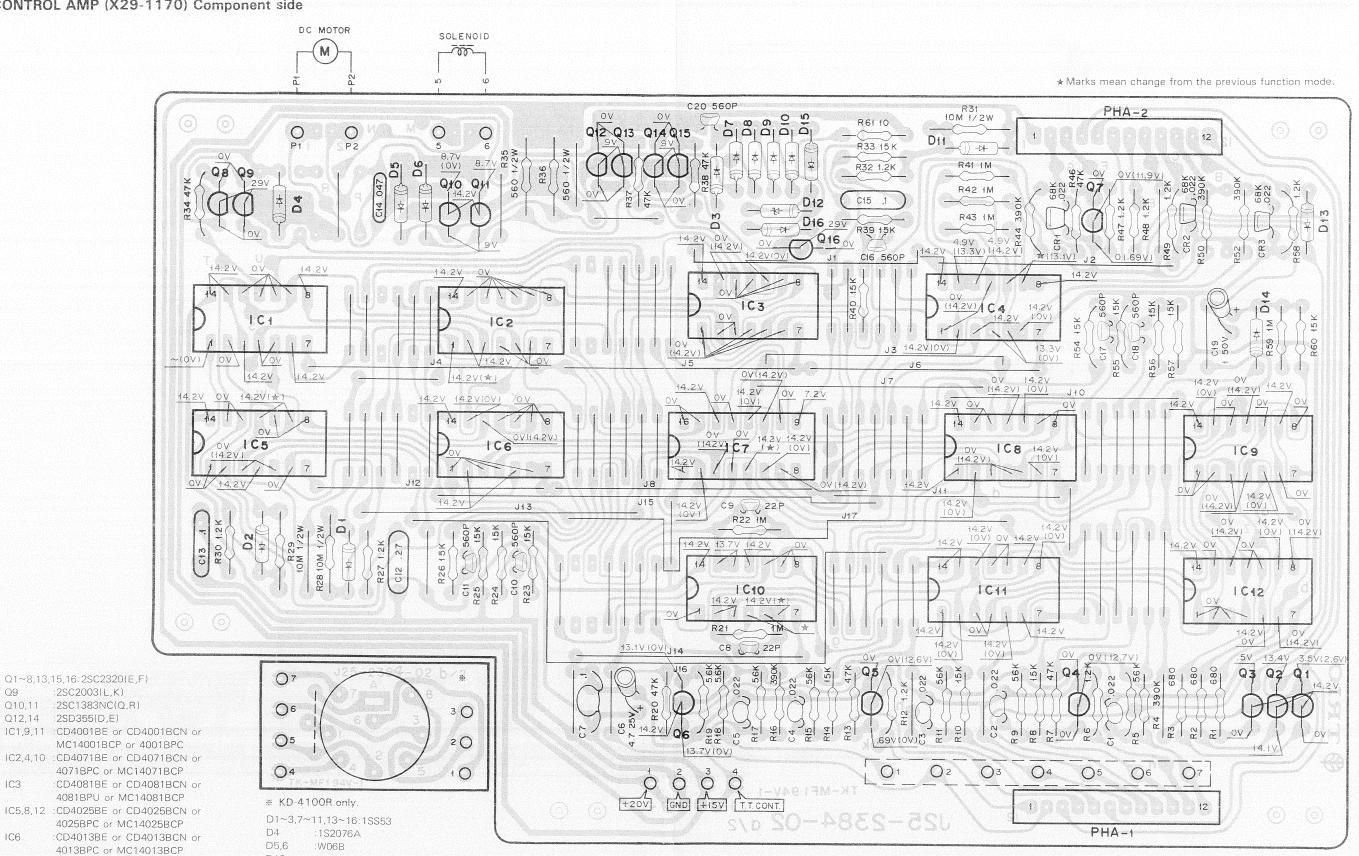
PC BOARD

CONTROL AMP (X29-1170) Component side

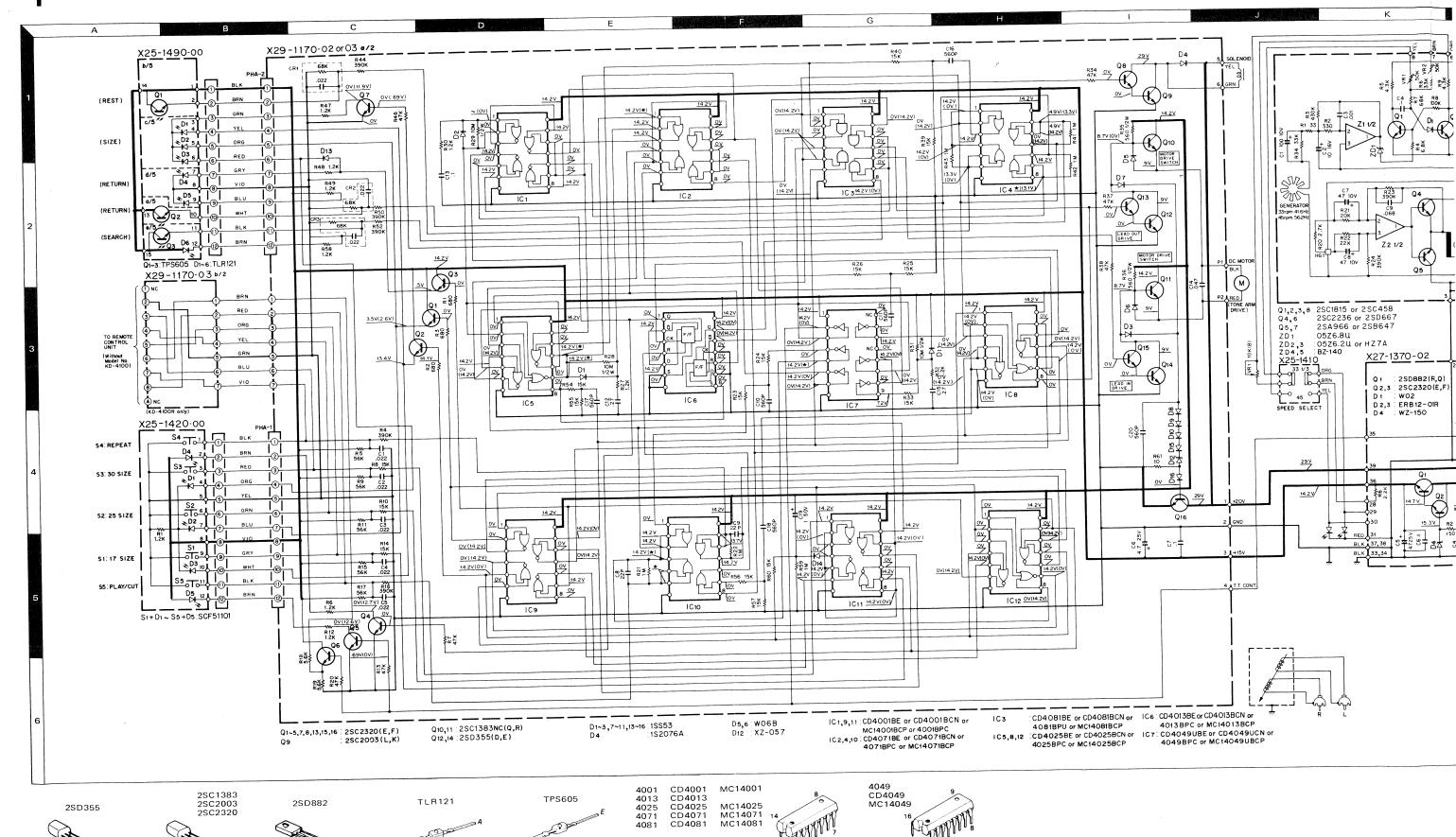
D12

:CD4049UBE or CD4049UCN or 4049BPC or MC14049UBCP

:XZ-057



FULL AUTOMATIC DIRECT-DRIVE TURNTABLE



FULL AUTOMATIC DIRECT-DRIVE TURNTABLE

CD4013

CD4025

CD4071 CD4081

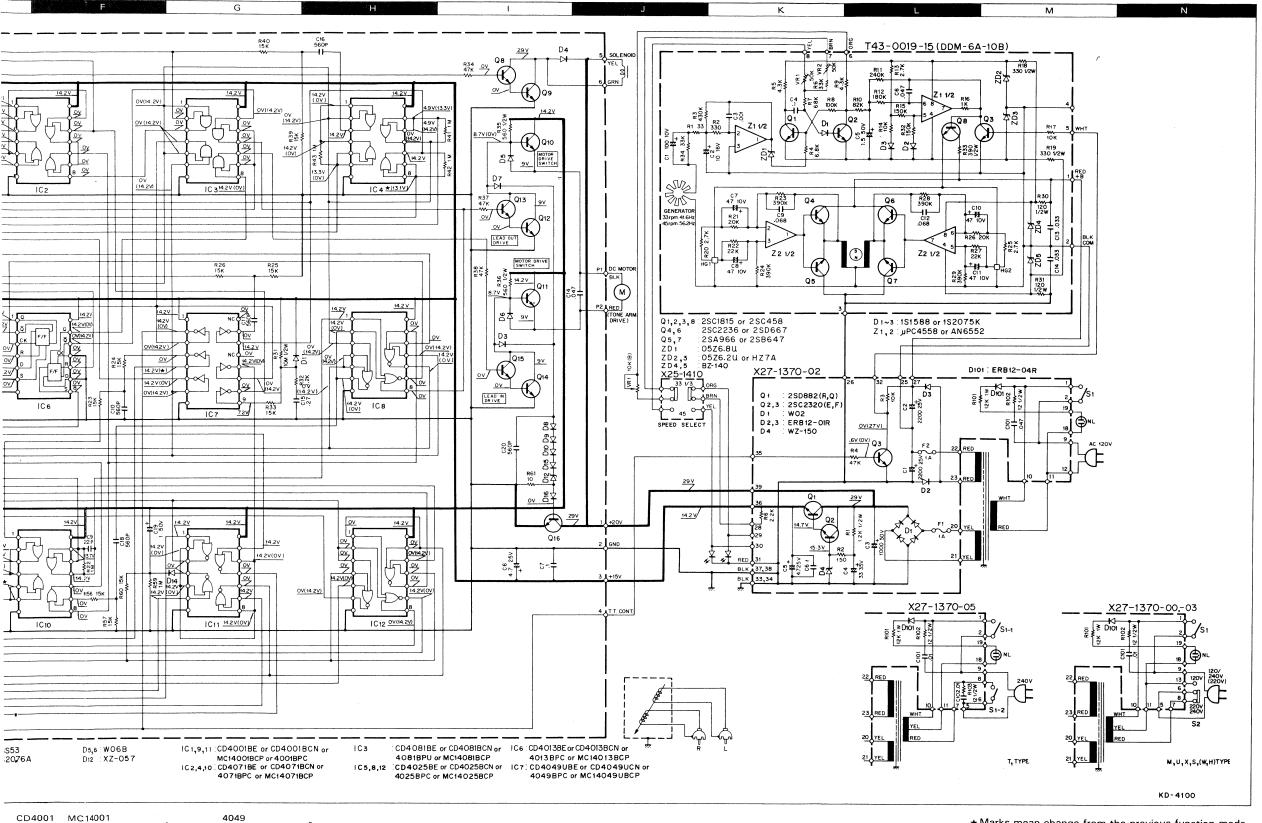
MC14025

MC14081

CD4049

MC14049

(KD-4100R) KD-4100



★ Marks mean change from the previous function mode.



SPECIFICATI	ONS
MOTOR & TURNTABLE	
Drive System	Direct-Drive
	Coreless & Slotless DC Servo
	Motor (For Platter Drive),
	2-Pole, 3-Slot DC Micro-Motor
	(For Automatic Functions)
Turntable Platter	31 cm (12-3/16") Diameter,
	Aluminum Alloy Die-Cast.
	Weight 1.15 kg (2.54 lbs)
Speeds	2 Speeds, 33-1/3 and 45 rpm.
Speed Control Range	Within ± 3%
Wow & Flutter	
Rumble	DIN weighted better than
	– 71 dB
TONEARM	
Type	
	Tubular Arm, EIA Plug-in Con-
	nector.
Effective Tonearm Length	
Overhang	
Tracking Error	
Stylus Pressure Variable Range .	
Usable Cartridge Weight	headshell)
CARTRIDGE	neadsneii)
	odels are not equipped with the
V-39MKIII Cartridge.)	odels are not equipped with the
Furnished Cartridge	V-39MKIII (Moving Magnet Type)
Stylus	N-39MKIII with 0.5 mil Diamond
Frequency Response	
Output Voltage	
Optimum Tracking Force	1.5 + 0.3, - 0 gram
Load Impedance	47 kohms
Replacement Stylus	N-39MKIII
ADDITIONAL FEATURES	Electronically Controlled Full-
	Automatic Tonearm System (Auto-
	matic Lead-in/Return/Cut/Repeat),
	Illuminated Stroboscope, Anti-
	Skating Device, Oil-Damped Cueing
	Device, Speed Selector Switch
	with LED Indicators, Low
	Capacitance Phono Cables, Head-
	shell and 45 rpm Adaptor Stand,
	Stylus Pressure Direct Readout
	Counter, Built-in Insulators.
MISCELLANEOUS	
Power Requirements	AC 120 V, 60 HzU.S.A. and
	Canada Madala

z...U.S.A. and Canada Models AC 240 V 50 Hz U.K Model

AC 120 V/220 V, 50/60 Hz (Switchable)...European and AC 120 V/240 V, 50/60 Hz

(Switchable)...other countries 7.0 watts...U.S.A. and Canada

20.0 watts...Other countries W440mm×H140mm×D375mm W17-5/16"×H5-1/2"×D14-3/4" 7.9 kg (17.4 lbs)

WeightSUPPLIED ACCESSORY 45 rpm Adaptor CABINET Material Construction of the cabinet is of

Anti-Resonance Compression
Base (ARCB) with injection molded ABS copolymer resin bottom cover. Massive ARCB is compression molded from limestone powder and glass powder, bonded with polyester resin.

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed

PARTS LIST

Ref. No.	Parts No.	Description	Re-	Ref. No.	Parts No.	Description	Re- marks
参照番号	部品番号		marks 備考	参照番号	部品番号	部 品 名/規 格	備考
UNIT	(KD-4100)			24 1A	D32-0080-24	SWITCH STOPPER	wH
1 2A 2 2A 3 2A	-	SUB CHASSIS INDICATOR (STROBE) MOUNTING HARDWARE(LAMP)		25 2B 26 1B 26 1B	040-0459-05 E30-0181-05 E30-0459-05	MECHANISM ASSY PCWER CORD PCWER CORD	* KP WH
4 28 5 2A 6 2A	-	SWITCH MECHANISM ASSY PUSH LOCK SWITCH ARM		26 18 26 18 26 18	E30-0587-05 E30-1317-15 E30-1341-05	POWER CORD POWER CORD POWER CORD	ST MU *X
7 2B 8 1A 9 1A 10 1B	-	SHAFT CUSHION ASSY HOLE PLATE L SHAPED COVER 4100		27 1B 27 1B 27 1B 27 1B 27 1B	E30-1319-15 E30-1319-15 E30-1319-15 E30-1319-15 E30-1320-25	AUDIO CORD AUDIO CORD AUDIO CORD AUDIO CORD AUDIO CORD	MP UX SW HT K
11 16 12 3B 13 1B	-	REMOTE MOUNT METAL 4100R SHIELDING PLATE CUSHION		28 1A 28 1A 29 1A	F07-0610-04 F07-0610-04 F07-0657-04	COVER COVER MOTOR COVER	K P T
14 2B 14 2B 14 2B 14 2B	A02-0322-05 A02-0322-05 A02-0322-05 A02-0322-05	PLASTIC CABINET 4100 PLASTIC CABINET 4100 PLASTIC CABINET 4100 PLASTIC CABINET 4100	*M KP UX SW	30 2B F1 ,2 F1 ,2	F19-0504-04 F05-1023-05 F05-1023-05	HOLE CAP FUSE(1A)	MU XS
14 2B 14 2B 14 2B	A02-0322-05 A02-0324-05 A02-0326-05	PLASTIC CABINET 4100 PLASTIC CABINET 4100 PLASTIC CABINET 4100R	н *Т *м	F1 ,2 F1 F1 F2	F05-1024-05 F05-8012-05 F05-8012-05 F06-1021-05	FUSE(1A) FUSE(800MA) FUSE(800MA) FUSE(1A)	KP WH T WH
14 2B 14 2B 14 2B	A02-0326-05 A02-0326-05 A02-0326-05	PLASTIC CABINET 4100R PLASTIC CABINET 4100R PLASTIC CABINET 4100R	KP UX SW	F2	F06-1021-05 G16-0330-03	FUSE(1A) TURNTABLE SHEET ASSY	T MP
14 2B 14 2B 15 2A 16 2A 17 3A	A02-0326-05 A02-0327-05 A21-0675-24 A21-0678-13 A40-0535-52	PLASTIC CABINET 4100R PLASTIC CABINET 4100R DRESSING PANEL ASSY DRESSING PANEL ASSY BOTTOM PLATE	H *T * MP	31 1A 31 1A 31 1A 31 1A	G16-0330-03 G16-0330-03 G16-0330-03 G16-0331-03	TURNTABLE SHEET ASSY TURNTABLE SHEET ASSY TURNTABLE SHEET ASSY TURNTABLE SHEET ASSY	UX SW HT K
17 3A 17 3A 17 3A 17 3A 18 18	A40-0535-52 A40-0535-52 A40-0535-52 A40-0536-32 A53-0223-12	BOTTOM PLATE BOTTOM PLATE BOTTOM PLATE BOTTOM PLATE TURNTABLE COVER ASSY	UX SW HT K	- - - -	H01-2365-14 H01-2365-14 H01-2365-14 H01-2365-14 H01-2366-14	CARTON BOX 4100	±M KU XS H P
-	B46-0055-20 B46-0060-00 B46-0061-20 B46-0062-20 B46-0063-00	WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD WARRANTY CARD	P T K UH U	-	H01-2367-14 H01-2368-14 H01-2370-04 H01-2370-04	CARTON BOX 4100 CARTON BOX 4100 CARTON BOX 4100R CARTON BOX 4100R CARTON BOX 4100R	M K UX SH
- - -	846-0064-10 850-2346-00 850-2346-00 850-2348-00 850-2348-00	WARRANTY CARD INST. MANUAL 4100 INST. MANUAL 4100 INST. MANUAL 4100 INST. MANUAL 4100	X *M PX *K US	-	H01-2371-04 H01-2372-04 H01-2373-04 H10-2246-02 H10-2247-02	CARTON BOX 4100R CARTON BOX 4100R CARTON BOX 4100R POLYSTYRENE FIXTURE A POLYSTYRENE FIXTURE B	P W T
-	B50-2348-00 B50-2349-00 B50-2350-00 B50-2350-00 B50-2351-00	INST, MANUAL 4100 INST, MANUAL 4100 INST, MANUAL 4100R INST, MANUAL 4100R INST, MANUAL 4100R	WH *T *M PX	-	H10-2248-02 H12-0347-02 H12-0348-04 H12-0354-04 H20-0382-04	POLYSTYRENE FIXTURE C PACKING FIXTURE A PACKING FIXTURE PACKING FIXTURE B COVER	* KP
- - -	850-2351-00 850-2351-00 850-2352-00 859-0018-00	INST, MANUAL 4100R INST, MANUAL 4100R INST, MANUAL 4100R SERVICE STATIONS LIST	SW H T U	-	H20-0382-04 H20-0382-04 H20-0382-04 H25-0029-04 H25-0078-04	COVER COVER COVER BAG BAG	UX SW HT
19 1A 19 1A 20 2A	B23-0004-04 B23-0004-04 B30-0724-05	OVERHANG GAGE OVERHANG GAGE LAMP	K₽ T *	- 32 38	H25-0159-04	BAG	M MP
21 2A 22 1A 23 1A	B38-0211-05 D02-0028-05 D09-0202-04	DISPLAY ASSY (LED) TURNTABLE PLATTER STROBOSCOPE		32 3B 32 3B 32 3B 32 3B 32 3B	J02-0331-05 J02-0331-05 J02-0331-05 J02-0334-05	FOOT FOOT FOOT FOOT	UX SW WH
24 1A 24 1A	D32-0080-24 D32-0080-24	SWITCH STOPPER SWITCH STOPPER	MU XS	32 3B	J19-1935-04		

PARTS LIST

Ref.	No.	Parts No.	Description	Re-	Ref. No.	Parts No.	Description	Remar
参照	番号	部品番号	部品名/規格	marks	参照番号	部品番号	部品名/規格	備
					56 2A	x25-1410-00	SWITCH PCB ASSY	
	2 B	J42-0312-05	BUSHING (A)		57 2A	x25-1420-00	OPERATION PCB ASSY	*
	18	J42-0313-05	BUSHING(B)		58 38	x25-1490-00	SENSOR PCB ASSY	*
,	18	J50-0307-05	HINGE(1)		59 26	x25-1510-00	REPEATER PCB ASSY	
	18	J50-0308-05	HINGE(2)		60 2A	x27-1370-00	POWER SUPPLY FOR ASSY	*
	1 в	J91-0127-05	TONEARM ASSY	*	60 24	X27-1370-00	TOWER SOLFEL FEE ASS.	
					60 2A	x27-1370-00	POWER SUPPLY PCB ASSY	U
	18	J92-0057-05	HEAD SHALL	V (.	60 2A	x27-1370-00	POWER SUPPLY PCB ASSY	S
	18	J92-0058-05	HEAD SHALL ASSY	KF.	60 .ZA	x27-1370-02	POWER SUPPLY FOR ASSY	K
)	1 ម	J92-0058-05	HEAD SHALL ASSY	T	60 2A	x27-1370-03	POWER SUPPLY PCB ASSY	W
4	2 A	K23-0638-04	KNOD (CDECO)		60 2A	x27-1370-04	POWER SUPPLY PCB ASSY	P
	2 A	K27-0317-14	KNOB (SPEED) KNOB (RPM)		1	4370 05		
	2 A	K29-0667-24	KNOB ASSY (SELECTOR)	*	60 2A	x27-1370-05	POWER SUPPLY PCB ASSY CONT AMP ASSY 4100R	*
,	_ ^	1,2740001 24	KNOE NOOT (GEECOTON)		61 3B	x29-1170-00 x29-1170-00	CONT AMP ASSY 4100R	10
4	1 A	L01-6251-05	POWER TRANSFORMER	* K	61 38	x29-1170-00	CONT AMP ASSY 4100R	S
	1 A	L01-6251-05	POWER TRANSFORMER	P	61 38		CONT AMP ASSY 4100R	Н
	1 A	101-6254-05	POWER TRANSFORMER	MU	61 38	x29-1170-00	CONT AMP ASST 4100K	- ''
	1 A	L01-6254-05	POWER TRANSFORMER	x s	61 38	x29-1170-01	CONT AMP ASSY 4100	
	1 A	L01-6254-05	POWER TRANSFORMER	WH	61 38	x29-1170-01	CONT AMP ASSY 4100	Ιυ
*	1.5	[01-0234-03	FOREK TRANSFORMER	"''	61 38	x29-1170-01	CONT AMP ASSY 4100	S
4	1 A	L01-6254-05	POWER TRANSFORMER	7	61 38	x29-1170-01	CONT AMP ASSY 4100	H
+	1 4	[[[[[[[[[[[[[[[[[[[[FUWER IRANSFUREER	'	61 38	x29-1170-02	CONT AMP ASSY 4100	*
5	1 A	N09-0167-05	SCREW	WH	ال ال	1		
	2 B	N09-0195-04	SCREW	WH	61 3B	x29-1170-02	CONT AMP ASSY 4100	P
		F '	SCREW (M3X25)	T	61 38	x29-1170-03	CONT AMP ASSY 4100R	*
	28	N09-0275-04	PAN HEAD MACHINE SCREW	'	61 38	x29-1170-03	CONT AMP ASSY 4100R	P
	2 B 1 B	N30-3014-46 N09-0843-08	SCREW (M2.6X12)	MU	62 38	\$46-2308-03	MOUNTING SWITCH	
,	l B	107-0043-00	SCREW(M2.OX12)	"	CIMITO	H PCB ASS'Y (X	25.1/10.00\	
7	1 B	N09-0843-08	SCREW(M2.6x12)	x s			T	
	1 B	N09-0843-08	SCREW(M2.6x12)	WH	101 2A	\$40-2307-05	PUSH SWITCH	S
	1 B	N09-0850-04	SCREW(M2.6X10)	ΚP	OPEDA	TION PCR ASS'	Y (X25-1420-00)	
	1 B	N09-0850-04	SCREW (M2.6x10)	T	OFERA		T	
	18	N09-0851-04	SCREW (M2.6x15)	KP	201 2A	\$59-1302-05	SWITCH S1-5	*
					SENSO	R PCB ASS'Y (X	(25-1490-00)	
7	1 B	N09-0851-04	SCREW(M2.6x15)	T		r	1	
. 8	28	N14-0108-05	NUT	Mυ	01 -6	V11-3100-60	TLR121	*
8	2 B	N14-0108-05	NUT	X S	Q1 -3	v30-0386-10	TPS605	*
	2 B	N14-0108-05	NUT	h H	POWER	SUPPLY PCB A	SS'Y (X27-1370)	
8	2в	N14-0412-04	NUT	K₽.	C1 3	62/-1/22-96	ELECTRO 2200UF 25WV	
					C1 ,2	C24-1422-89		*
	2 B	N14-0412-04	NUT	T	c3	c24-1710-89	1	*
	2 B	N19-0175-09	WASHER	K P	C 4	c24-6533-61	ELECTRO 33UF 35WV	
	2 B	N19-0175-09	WASHER	T	C 5	C24-1447-51	ELECTRO 4.7UF 25hV	
	28	N19-0516-05	WASHER	Mυ	C 6	c90-0270-05	CERAMIC 0.1UF K	
9	2 B	N19-0516-05	WASHER	ХS	1.101	c54-3310-39	CERAMIC 0.01UF P	W
					C101	C54-3310-39	CERAMIC 0.01UF P	T
9	2 B	N19-0516-05	WASHER	WH	C101,102		I To the second of the second	1 K
				1 1	C101	091-0302-05	CERAMIC 0.047UF K	- 1
0.	2 A	R01-3301-05	POT. 10K(B) VR1	1 1	C101	C91-0308-05		M
					C101	C91-0308-05	MF 0.01UF 1000V	×
1	1 A	s31-2001-05	SLIDE SWITCH (\$2)	MU	1		0501415 0 0/305	_
	1 A	s31-2001-05	SLIDE SWITCH (S2)	x s	C101	c91-0323-05	CERAMIC 0.047UF K	P
1	1 A	\$31-2001-05	SLIDE SWITCH (S2)	WH	1	147 0055 05	Ener Holder	
	2 B	\$50-1015-05	SENSITIVE SWITCH (S1)	KP	-	J13-0055-05	FUSE HOLDER	1
	2 B	\$50-1015-05	SENSITIVE SWITCH X2	T	1		F. 00005 55432	- 1
-					R101	R47-5412-35	FL-PROOF RS12K J 3A	-
2	28	\$50-1015-05	SENSITIVE SWITCH (S1)	UX	R102	R40-8312-06	RC 12 K 2H	
	2 B	\$50-1015-05		Swi	R102,103	R40-8312-06	RC 12 K 2H	1
2	2 B	\$50-1015-05		нм	1.		1	-
2	2 B	S50-1307-05	SENSITIVE SWITCH (S1)	KP	D1	v11-2400-20	W02	
	28	\$50-1307-05		UX	D2 ,3	V11-7100-60	ERB12-01R	
-	-				D4	V11-0307-05	WZ-150	
2	28	\$50-1307-05	SENSITIVE SWITCH (S1)	SM	0101	V11-7100-70	ERB12-04R	
	-				G1	V04-0882-20	2SD882(R.Q)	١,
3	28	T21-0066-05	MAGNETIC CARTRIDGE ASSY	MU	1			-
	2 B	T21-0066-05	MAGNETIC CARTRIDGE ASSY		02 .3	v03-2320-10	2sc2320(E,F)	
	2 B	T21-0066-05	MAGNETIC CARTRIDGE ASSY	WH	CONT	ROL (X29-1170)		
3a		T21-0067-05	MAGNETIC CARTRIDGE	MU			1	
3 a		T21-0067-05		ХS	C1 - 5	c55-1722-38		1
	-		1		C 6	c24-1447-51	ELECTRO 4.7UF 25WV	
3 a	2 B	T21-0067-05	MAGNETIC CARTRIDGE	WH	c7	c90-0270-05	CERAMIC 0.1UF K	
	3 A	T43-0019-15	DIRECT DRIVE MOTOR		C8 ,9	c71-1722-05	CERAMIC 22PF J	
4	- **				C10 -11	c52-1756-16	CERAMIC 560PF K	
•				. 1		1	1	- 1
4 5	1 A	W01-0057-14	EP ADAPTER	1	1	1		

PARTS LIST

			Re-		D	Description	Re-
Ref. No.	Parts No.	Description	marks	Ref. No.	Parts No.	Description	marks
参照番号	部品番号	部品名/規格	備考	参照番号	部品番号	部品名/規格	備考
34 2B	J42-0312-05	BUSHING (A)		56 2A	x25-1410-00	SWITCH PCB ASSY	*
35 18	J42-0313-05	BUSHING (8)		57 2A 58 3B	x25-1420-00 x25-1490-00	OPERATION PCB ASSY SENSOR PCB ASSY	*
36 18 37 18	J50-0307-05 J50-0308-05	HINGE(1) HINGE(2)		59 28	x25-1510-00	REPEATER PCB ASSY	*
38 1B	J91-0127-05	TONEARM ASSY	*	60 2A	x27-1370-00	POWER SUPPLY PCB ASSY	* **
39 1B	J92-0057-05	HEAD SHALL		60 2A	x27-1370-00	POWER SUPPLY PCB ASSY	υx
40 1B	J92-0058-05	HEAD SHALL ASSY	-KF	60 2A 60 2A	x27-1370-00 x27-1370-02	POWER SUPPLY PCB ASSY POWER SUPPLY PCB ASSY	S
40 18	J92-0058-05	HEAD SHALL ASSY	T	60 ZA	x27-1370-03	POWER SUPPLY PCB ASSY	WH
41 2A	K23-0638-04	KNOB (SPEED)		60 ZA	x27-1370-04	POWER SUPPLY PCB ASSY	P
42 2A 43 2A	K27-0317-14 K29-0667-24	KNOB (RPM) KNOB ASSY (SELECTOR)		60 2A	x27-1370-05	POWER SUPPLY PCB ASSY	T
43 ZH	K2740007-24	KNOB ASSI (SELECTOR)		61 3B 61 3B	x29-1170-00 x29-1170-00	CONT AMP ASSY 4100R	*β U.X
44 1A	L01-6251-05	POWER TRANSFORMER	*K	61 3B	x29-1170-00	CONT AMP ASSY 4100R	S w
44 1A 44 1A	L01-6251-05	POWER TRANSFORMER POWER TRANSFORMER	P MU	61 3B	x29-1170-00	CONT AMP ASSY 4100R	нт
44 1Â	L01-6254-05	POWER TRANSFORMER	x S	61 3B	x29-1170-01	CONT AMP ASSY 4100	≠ N _i
44 1A	101-6254-05	POWER TRANSFORMER	wĦ	61 3B	x29-1170-01 x29-1170-01	CONT AMP ASSY 4100	U X S w
44 1A	L01-6254-05	POWER TRANSFORMER	7	61 3B 61 3B	x29-1170-01	CONT AMP ASSY 4100	нТ
				61 38	x29-1170-02	CONT AMP ASSY 4100	*K
45 1A 46 2B	N09-0167-05 N09-0195-04	SCREW SCREW	WH WH	61 3B	x29-1170-02	CONT AMP ASSY 4100	P
46 2B	N09-0275-04	SCREW(M3X25)	T	61 3B	x29-1170-03	CONT AMP ASSY 4100R	* K
46 28	N30-3014-46	PAN HEAD MACHINE SCREW	l l	61 38 62 38	x29-1170-03 s46-2308-03	MOUNTING SWITCH	
47 18	N09-0843-08	SCREW(M2.6X12)	MU		H PCB ASS'Y (X	·	
47 1B	N09-0843-08	SCREW(M2.6X12)	ХŞ	101 2A	\$40-2307-05	PUSH SWITCH	s 1
47 1B 47 1B	N09-0843-08	SCREW(M2.6x12) SCREW(M2.6x10)	WH KP			Y (X25-1420-00)	
47 1B	N09-0850-04	SCREW(M2.6X10)	T		s59-1302-05	SWITCH \$1-5	*
47 18	N09-0851-04	SCREW(M2.6X15)	Κ₽	201 2A	R PCB ASS'Y (X		
47 1B	N09-0851-04	SCREW(M2.6x15)	T	· · · · · · · · · · · · · · · · · · ·	V11-3100-60		*
48 2B 48 2B	N14-0108-05 N14-0108-05	NUT	MU XS	D1 -6 Q1 -3	v30-0386-10	TLR121 TPS605	*
48 2B	N14-0108-05	TUN	WH	-		SS'Y (X27-1370)	
48 28	N14-0412-04	TUN	KP	c1 ,2	c24-1422-89	ELECTRO 2200UF 25WV	T
48 28	N14-0412-04	NUT	т	c3	c24-1710-89	ELECTRO 1000UF 50WV	*
49 2B	N19-0175-09	WASHER	K.P	C 4 C 5	c24-6533-61 c24-1447-51	ELECTRO 33UF 35WV ELECTRO 4.7UF 25WV	
49 2B 49 2B	N19-0175-09 N19-0516-05	WASHER WASHER	T MU	C 6	c90-0270-05	CERAMIC 0.1UF K	
49 28	N19-0516-05	WASHER	x s	6101	054-3310-39	CERAMIC 0.01UF P	wн
49 2B	N19-0516-05	WASHER	WH	C101 C101,102	c54-3310-39	CERAMIC 0.01UF P	T
47 25	1 1720310-03	TASILE N	""	C101	c91-0302-05	CERAMIC 0.047UF K	K
50 2A	R01-3301-05	POT. 10k(B) VR1		C101 C101	C91-0308-05	MF 0.01UF 1000V MF 0.01UF 1000V	M U X S
51 1A	s31-2001-05	SLIDE SWITCH (S2)	MU	""			
51 1A	\$31-2001-05	SLIDE SWITCH (S2)	ХS	C101	C91-0323-05	CERAMIC 0.047UF K	P
51 1A 52 2B	S31-2001-05 S50-1015-05	SLIDE SWITCH (S2) SENSITIVE SWITCH (S1)	WH KP	-	J13-0055-05	FUSE HOLDER	
52 28	\$50-1015-05	SENSITIVE SWITCH X2	T		0/7 5/10 36	FL-PROOF RS12K J 3A	
52 20	\$50-1015-05	SENSITIVE SWITCH (S1)	Ux	R101 R102	R47-5412-35 R40-8312-06		
52 2B 52 2B	850-1015-05	I Total Control of the Control of th	s ŵ	R102,103	R40-8312-06	RC 12 K 2H	T
52 28	\$50-1015-05	SENSITIVE SWITCH (S1)	HM KP	D1	v11-2400-20	w02	
52 2B 52 2B	\$50+1307-05 \$50+1307-05	SENSITIVE SWITCH (S1) SENSITIVE SWITCH (S1)	UX	D2 ,3	V11-7100-60	ERB12-01R	
				04	V11-0307-05		
52 2B	\$50-1307-05	SENSITIVE SWITCH (S1)	\$M	0101	V04-0882-20		*
53 28	T21-0066-05		MU	1			
53 2B 53 2B	T21-0066-05	MAGNETIC CARTRIDGE ASSY MAGNETIC CARTRIDGE ASSY	X S W H	02 ,3	V03-2320-10	2sc2320(E,F)	
53a 2B	121-0067-05	MAGNETIC CARTRIDGE	MU		ROL (X29-1170)		
53a 28	T21-0067-05	MAGNETIC CARTRIDGE	ХS	C1 -5 C6	C55-1722-38		
53a 28	T21-0067-05	MAGNETIC CARTRIDGE	ωн	c7	c90-0270-05	CERAMIC 0.1UF K	
54 3A	T43-0019-15	DIRECT DRIVE MOTOR		C8 ,9 C10 ,11	C71-1722-05 C52-1756-16	CERAMIC 22PF J CERAMIC 560PF K	
55 1A	W01-0057-14	EP ADAPTER		1	035-1130-10	02.000.1	
" "				L	,		

PARTS LIST

Ref. No. 参照番号 C12 C13 C14 C15 C16 -18 C19 C20 301 18 301 18 301 18 301 18 CR1 -3 R28 -29 R31 R35 ,36	部 品 番 号 C45-1727-45 C45-1710-45 C55-1747-38 C45-1727-45 C52-1756-16 C25-1710-57 C52-1756-16 E06-0801-05	部 品 名 / 規 格 MYLAR 0.27UF J MYLAR 0.1UF /J CERAMIC 0.047UF Z MYLAR 0.027UF J CERAMIC 560PF K LL-ELEC 1UF SUNV CERAMIC 560PF K DIN CONNECTOR 4100R MULTIPLE COMPONENTS RC 10M J 2H	marks 備考 MU WH P K S X	参照番号 IC10 IC11 IC11 IC11 IC11 IC12 IC12 IC12 IC12	部 品 番 号 V30-0381-10 V30-0303-10 V30-0378-10 V30-0378-10 V30-0371-10 V30-0372-10 V30-0379-10 V30-0379-10 V30-0379-10 V03-2320-10	部品名/規格 MC140718CP CD40018E CD40018CN MC140018CP 40018PC CD4025BE CD4025BE CD4025BCC MC14025BCP 25C2320(E,F)	mark: 備考 * * * * * * * * * * * * * * * * * * *
C12 C13 C14 C15 C16 -18 C19 C20 301 18 301 18 301 18 301 18 301 18 301 18 301 18	C45-1727-45 C45-1710-45 C55-1747-38 C45-1727-45 C52-1756-16 C25-1756-16 C25-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05	MYLAR 0.27UF J MYLAR 0.1UF 2J CERAMIC 0.047UF Z MYLAR 0.027UF J CERAMIC 560PF K LL-ELEC 1UF SOLV CERAMIC 560PF K DIN CONNECTOR 4100R	MU WH P K	IC10 IC11 IC11 IC11 IC11 IC12 IC12 IC12 IC12	v30-0381-10 v30-0303-10 v30-0303-20 v30-0378-10 v30-0378-10 v30-0371-10 v30-0372-10 v30-0373-10 v30-0379-10	CD4001BE CD4001BEN MC14001BCP 4001BPC CD4025BE CD4025BCN 4025BPC MC14025BCP	* * *
c13 C14 C15 C16 -18 C19 C20 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B	C45-1710-45 C55-1747-38 C45-1727-45 C52-1756-16 C25-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05	MYLAR 0.1UF 2J CERAMIC 0.047UF Z MYLAR 0.027UF J CERAMIC 560PF K LL-ELEC 1UF 50WV CERAMIC 560PF K DIN CONNECTOR 4100R	йн Б К	IC11 IC11 IC11 IC11 IC12 IC12 IC12 IC12	V30-0303-10 V30-0303-20 V30-0378-10 V30-0371-10 V30-0372-10 V30-0373-10 V30-0379-10	CD4001BE CD4001BEN MC14001BCP 4001BPC CD4025BE CD4025BCN 4025BPC MC14025BCP	* * *
c13 c14 c15 c16 -18 c19 c20 301 18 301 18 301 18 301 18 301 18 301 18 301 18 301 18	C55-1747-38 C45-1727-45 C52-1756-16 C25-1710-57 C52-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05	CERAMIC 0.047UF Z MYLAR 0.027UF J CERAMIC 560PF K LL-ELEC 1UF 50%V CERAMIC 56CPF K DIN CONNECTOR 4100R	йн Б К	IC11 IC11 IC12 IC12 IC12 IC12 IC12 IC12	V30-0303-20 V30-0378-10 V30-0385-10 V30-0371-10 V30-0372-10 V30-0373-10 V30-0379-10	CD4001BCN MC14001BCP 4001BPC CD4025BE CD4025ECN 4025BPC MC14025BCP	* * *
C15 C16 -18 C19 C20 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B 301 1B	C45-1727-45 C52-1756-16 C25-1710-57 C52-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05	MYLAR 0.027UF J CERAMIC 560PF K LL-ELEC 1UF SULV CERAMIC 560PF K DIN CONNECTOR 4100R	йн Б К	IC11 IC11 IC12 IC12 IC12 IC12 IC12 IC12	V30-0378-10 V30-0385-10 V30-0371-10 V30-0372-10 V30-0373-10 V30-0379-10	MC14001BCP 4001BPC CD4025BE CD4025ECN 4025BPC MC14025BCP	* * *
C16 -18 C19 C20 301 1B 301 1B 301 1B 301 1B 301 1B CR1 -3 R28 .29 R31	C52-1756-16 C25-1710-57 C52-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05	CERAMIC 560PF K LL-ELEC 1UF 50WV CERAMIC 560PF K DIN CONNECTOR 4100R	йн Б К	IC11 IC12 IC12 IC12 IC12 IC12 O1 -8	V30-0385-10 V30-0371-10 V30-0372-10 V30-0373-10 V30-0379-10	40018PC CD4025BE CD4025PCN 4025BPC MC14025BCP	* * *
C19 C20 301 1B 301 1B 301 1B 301 1B 301 1B CR1 -3 R28 .29	C25-1710-57 C52-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05	LL-ELEC 1UF SULV CERAMIC 560PF K DIN CONNECTOR 4100R MULTIPLE COMPONENTS	йн Б К	IC12 IC12 IC12 IC12 IC12 Q1 -8	v30-0371-10 v30-0372-10 v30-0373-10 v30-0379-10	CD4025BE CD4025BCN 4025BPC MC14025BCP	* *
C20 301 1B 301 1B 301 1B 301 1B 301 1B CR1 -3 R28 .29 R31	C52-1756-16 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05 R92-0507-05	CERAMIC 560PF K DIN CONNECTOR 4100R	йн Б К	IC12 IC12 IC12 IC12 o1 -8	v30-0372-10 v30-0373-10 v30-0379-10	CD4025ECN 4025BPC MC14025BCP	*
301 18 301 18 301 18 301 18 301 18 301 18 CR1 -3 R28 .29	E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05	DIN CONNECTOR 4100R	йн Б К	IC12 IC12 a1 -8	v30-0373-10 v30-0379-10	40258PC MC14025BCP	*
301 18 301 18 301 18 301 18 301 18 CR1 -3 R28 ,29 R31	E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05 R92-0507-05	DIN CONNECTOR 4100R DIN CONNECTOR 4100R DIN CONNECTOR 4100R DIN CONNECTOR 4100R MULTIPLE COMPONENTS	йн Б К	1C12 01 -8	v30-0379-10	MC14025BCP	- 1
301 18 301 18 301 18 301 18 CR1 -3 R28 /29	E06-0801-05 E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05 R92-0507-05	DIN CONNECTOR 4100R DIN CONNECTOR 4100R DIN CONNECTOR 4100R DIN CONNECTOR 4100R MULTIPLE COMPONENTS	йн Б К	01 -8 09		· ·	
301 18 301 18 301 18 CR1 -3 R28 ,29	E06-0801-05 E06-0801-05 E06-0801-05 R90-0403-05 R92-0507-05 R92-0507-05	DIN CONNECTOR 4100K DIN CONNECTOR 4100K DIN CONNECTOR 4100K MULTIPLE COMPONENTS	р K	9			
301 18 CR1 -3 R28 ,29 R31	R90-0403-05 R92-0507-05 R92-0507-05	DIN CONNECTOR 4100R MULTIPLE COMPONENTS		1 -	I	_	
CR1 =3 R28 ,29 R31	R90-0403-05 R92-0507-05 R92-0507-05	MULTIPLE COMPONENTS	Sλ		v03-2003-30	2sc2003(L,K)	1.
R28 .29	R92-0507-05 R92-0507-05	I		010 /11	V03-1383-10 V04-0355-10	2SC1383NC(Q/R) 2SD355(D/E)	*
R28 .29	R92-0507-05 R92-0507-05	I		Q12 Q13	v03-2320-10	2sc2320(E,F)	-
R31	R92-0507-05		1 1	014	V04-0355-10	2SD355(D.E)	*
		RC 10M J 2H		1 * 1 7	, , , , , , , , , , , , , , , , , , , ,		
1	1.45-1450 15	FL-PROOF RD560 J ZE		015 ,16	v03-2320-10	2sc2320(E,F)	
01 -3	v11-1200-80	15553		TONE	ARM ASS'Y (J9	1-0127-05)	
D1 -3	v11-0273-05	152076A		401 28	012-0215-08	SLIDE CAM ASSY	*
05 .6	v11-0295-05	WOGB		402 2B	021-0679-08	ELEVATION SHAFT	
07 -11	v11-1200-80	18853		403 2B	039-0090-08	TONEARM REST ASSY	
012	v11-4176-76	xz-057	*	404 2B 405 2B	D39-0091-08	TONEARM SUPPORT ASSY PAUSE MECHANISM ASSY	*
013 -16	v11-1200-80	18853		403 28	040-0403-00	PAUSE RECHAMISM ASSI	
101	v30-0303-10	CD4001BE		406 2B	D91-0122-08	WEIGHT ASSY	*
ici	v30-0303-20	CD40016CN		',,,			
ici	V30-0378-10	MC14001BCP	*	407 2B	601-0755-08	COMPRESSION SPRING	
101	v30-0385-10	4001BPC	*	408 ZB	G02-0322-08	TENSION SPRING	
		50(07105		38 28	J91-0127-05	TONEARM TOTAL ASSY	*
105	v30-0368-10 v30-0369-10	CD4071BE CD4071BCN	:	409 28	J19-1921-08	TONEARM BASE	, i
105	v30~0370-10	40718PC	*	410 28	J19-1922-08	CAM HOLDER	
102	v30-0381-10	MC140718CP		411 2B	J91-0128-08	TONEARM	*
103	v30-0365-10	CD40816E	*	İ			
	3. 07/. 40	4004000	1. 1	412 28	K29-0657-08	CANCELLER KNOE	*
103	v30-0366-10	4081BPC CD4081BCN	*	413 2B	N09-0548-04	SET SCREW	
103	v30-0367-10 v30-0377-10	MC14081BCP	-	414 2B	N10-2120-46	NUT	
104	v30-0368-10	CD4071BE		415 2B	N19-0555-08	WASHER	*
104	v30-0369-10	CD40718CN	*	416 2B	N19-0556-08	WASHER	*
	was 6776 10	40718PC		AUTOM	IATIC MECHAN	ISM ASS'Y (D40-0459-05)	•
1 C 4 1 C 4	v30-0370-10 v30-0381-10	MC14071BCP	;	501 28	-	MAIN CHASSIS	
105	v30-0371-10	CD4025BE	•	502 28	_	SHAFT	
105	v30-0372-10	CD4025BCN	*	503 3B	 -	POSITION GUIDER	
105	v30-0373-10	4025BPC	*	504 3B	-	POSITION HOLDER	
į			1. 1	505 3B	-	GEAR	
105	V30-0379-10	MC140258CP MC140138CP	*	506 3B	_	CAM	
106 106	v30-0319-30 v30-0374-10	CD40138E	•	507 3B	-	CAM HOLDER	
106	v30=0374=10	CD4013BCN	1.	508 38	-	SLIDER	
106	v30-0376-10	4013BPC	*	509 3B	-	CUSHION	
				510 3B	-	ELEVATION ARM	
I C 7	v30-0306-10	CD4049UBE		1			
107	V30-0306-20	CD4049UCN	1. 1	511 3B	-	RAIL	
107	V30-0380-10	MC14049UBCP	1: 1	512 3B 513 3B	-	SHAFT PIN	
107 108	V30-0384-10 V30-0371-10	4049BPC CD4025BE	1:	514 2B	-	START POINTER	
1 0 0	470-0711-10			515 2B	-	RETURN HOLDER	
108	v30-0372-10	CD4025BCN	•	1	1	Beaut to Lucter	
108	v30-0373-10	4025BPC	*	516 2B	1.	POINT ADJUSTER COLLAR	
108	v30-0379-10 v30-0303-10	MC14025BCP CD4001BE	*	517 38 518 38	-	PULLEY	- 1
109 109	V30-0303-10	CD4001BE		51.9 2B	-	SHAFT	
	·			520 28	-	RETAINER	
I C 9	v30-0378-10	MC14001BCP	*	524 75	1_	MACHERICATI	ļ
109	V30-0385-10	4001BPC	*	521 3B 522 2B	-	WASHER(Ø3) WORM GEAR	
IC10 IC10	v30-0368-10 v30-0369-10	CD4071BE CD4071BCN	:	523 3B	1.	CLUTCH ARM ASSY	j
1010	v30=0370=10	4071BPC	1.	524 3B		CLUTCH ARM	
				525 3B	-	GEAR SHAFT	

PARTS LIST

Ref. No.	Parts No.	Description	Re- mark
参照番号	部品番号	部 品 名/規 格	備考
526 38 527 38 528 38 529 38 530 38	-	SHAFT GEAR FELT IDLER TIER	
531 3B 532 3B	-	GEAR SEARCH ARM	
25 38 533 28 534 38 535 38 536 38	D40-0459-05 D13-0205-08 D14-0217-08 D15-0515-08 U16-0219-08	MECHANISM ASSY GEAR ASSY IDLER ASSY MOTOR PULLEY BELT	* *
537 38 538 38	D40-0805-09 D33-0007-08	ELEVATION ARM ASSY FELT(A)	*
539 38 540 28 541 38 542 38 543 38	G01-0722-08 G01-0723-08 G01-0724-08 G01-0725-08 G01-0726-08	COMPRESSION SPRING COMPRESSION SPRING(A) TENSION SPRING TENSION SPRING(3) TENSION SPRING(2)	* *
544 3B 545 3B	G02-0319-08 G13-0458-04	FLAT SPRING MOTOR CUSHION	*
546 3B	J19-1918-08	SEARCH HOLDER	
547 3B 548 2B 549 3B 550 3B 551 2B	N09-0869-08 N09-0870-08 N19-0584-08 N19-0561-08 N19-0565-08	SCREW SCREW WASHER RUBBER WASHER WASHER	
553 3B 554 3B 555 2B 556 3B	N19-0567-08 N29-0215-08 N15-1030-46 N19-0540-08	WASHER SPRING STOPPER FLAT WASHER WASHER	
557 3B 558 38	T42-0107-05 T94-0058-05	DC MOTOR MAGNETIC PLUNGER	*
58 38	x25-1490-00	SENSOR PCB ASSY	•



	Ref. No. 参照番号	Parts No. 部品番号	Description 部品名/規格	Re- marks 備考
2 - 1 -	-14 BA 14 BA	A20-1391-13 A20-1417-13	FRONT PANEL PANEL FRONT PANEL ASSY	
	15 3A 15 3A 15 3A	A21-0302-03 A21-0302-03 A21-0302-03	DRESSING PANEL DRESSING PANEL DRESSING PANEL	¥K PU MX
5	-01 , 02 -01 -01 -01 -01	054-3310-39 090-0145-05 091-0023-05 091-0023-05 091-0025-05	CERAMIC O OIUF P FOLYESTER O OIUF AC125V CERAMIC O OIUF AC250V CERAMIC O OIUF AC250V CERAMIC O OIUF AC125V	ET K UM HX F
	28 1B 29 1B 30 2A 31 2A	D15-0155-13 D15-0156-13 D15-0170-14 D20-0144-03	FULLEY FULLEY PULLEY DIAL SHAFT	

- (1) Exploded view drawing No.
- Position in exploded view.
- 3 Symblo of new parts
- Area to which parts are shipped, Example: A20-1390-13 is the part No. of FRONT PANEL ASS'Y for the "K" type products (for U.S.A.).

When this column is blank, it means that the same type of parts (same parts No.) are used for the products shipped to all areas.

CODEs in X11-1590

K: X11-1590-11

U: X11-1590-81

X11-1591-01

T: X11-1591-51

E: X11-1592-71

- (5) Reference No. in schematic diagram.
- Abbreviation of "ceramic capacitor"

All capacitors and resistors are listed using abbreviations.

Abbreviations

Abbreviations of capacitors (Parts No. with initial letter "C").

ELECTRO Electrolytic capacitor

LL-ELEC Low leak electrolytic capacitor NP-ELEC Non-pole electrolytic capacitor

MICA Mica capacitor

POLYSTY Polystyrene capacitor

MYLAR Mylar capacitor CERAMIC Ceramic capacitor

TANTAL Tantalum capacitor MF ... Metallized film capacitor OIL ... Oil capacitor

The unit "UF" is used in lieu of " μ F"

Abbreviations of resistors (Parts No. with initial letters

RC Carbon composition resistor

RD..... Carbon film resistor

FL-PROOF RD..... Flame-proof carbon film resistor RW Wire wound power resistor

FL-PROOF RS Flame-proof metal oxide film

resistor RN Metal film resistor

1/8W 2B Rated wattage

2E	Rated wattage	1/4W
2H		1/2W
3А	Rated wattage	1W
3D		2W
3F	Rated wattage	ЗW
3G	Rated wattage	4W
3H		5W
All r	esistor values are indicated with the	unit (Ω)
omit	ted.	

Abbreviations common to capacitors and resistors.

.... ±0.25pF (Used for capacitors only) ±0.5pF (Used for capacitors only)

G ±2% . ±5% ±10%

..... ±20% +80%,-20% (Used for capacitors only) +100%, -0% (Used for capacitors only)

Resistors RD (carbon composition resistors) are not listed in the parts list. For values, refer to the schematic diagram.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts

Region	Code
U.S.A	K
Canada	P
PX	U
Australia	X
Europe	W
England	Т
South Africa	
Other Areas	M
Audio Club	Н

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